

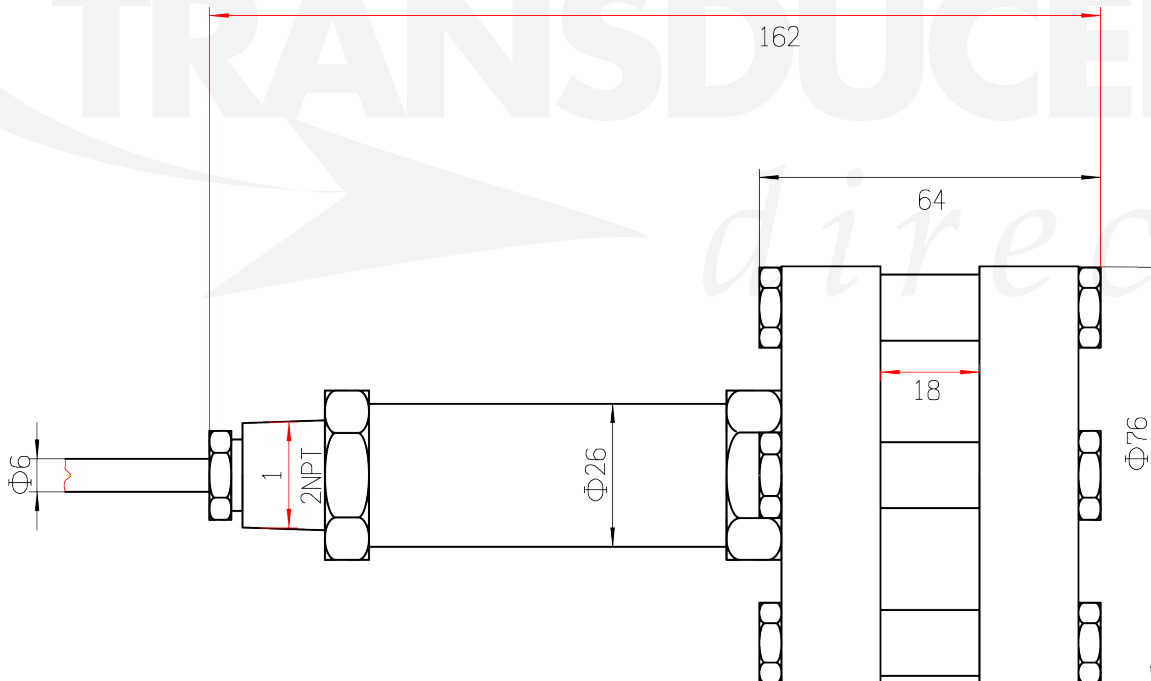
Introducing the TDH85 series Submersible Pressure Transducer with Debris Standoff



FEATURES

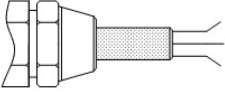
- Flush diaphragm transducer with debris avoidance standoff
- Industry-standard 4-20mA output
- Pressure ranges 0-5, 0-7.5, 0-10 and 0-15 PSIG
- Accuracy of 0.5%
- Long-term stability
- 316SS housing with 316SS diaphragm
- ETFE Cable
- EMI/RFI and reverse polarity protection
- Compatible with wide range of chemicals
- Rugged design for harsh waste water environments
- Suitable for waste, salt, brackish, or fresh water systems

DIMENSIONS



Dimensions are for reference only.

INSTALLATION & WIRING

Signal	Function	Color	Code	Electric connector type
1) 0-5V; 0-10V 0.5-4.5V	Supply V+	Red	1	
	Com	Black	2	
	Output+	White	3	
2) 4-20mA	Supply V +	Red	1	
	Output +	Black	2	

SPECIFICATIONS

Performance @ 25°C (77°F)

Accuracy	± 0.5% FS (includes non-linearity, hysteresis and non-repeatability)
Stability	<±0.2% FS/year, typical
Thermal Error	1% FS
Over pressure protection	1.5X Rated Pressure
Burst Pressure	3X minimum
Pressure Cycles	>4 Million

Environmental Data

Operating temp	-40 to 85°C (-40 to +185°F)
Compensated range	-10 to 70°C (14 to 158°F)

Electrical Data

Excitation	8-30 Vdc
Loop resistance @ 24 Vdc	≤ 800 Ohm
Load resistance @24 Vdc	≥ 3KΩ
Zero offset	<±1.0% of FS
Span tolerance	<±1.0% of FS

Physical data

Diaphragm material	316SS
Body material	316SS
Cable Pull Strength	280lb
Pressure Connection	Flush Diaphragm with Debris Standoff
Electrical Connection	Molded, vented submersible cable (ETFE outer jacket)
Rating	IP68

ORDERING

Series	Output	Pressure Type	Pressure Range	Pressure Connection	Electrical Connection	Cable Length	Accuracy
TDH85	B	G	0050	30	C	050	3

TDH85 = 316 stainless steel	B= 4-20mA	G = Gauge	0025= 0-2.5psi (69" WC) 0050= 0-5 psi (138" WC) 0100= 0-10 psi (277" WC) 0150= 0-15 psi (415" WC) 0200= 0-20 psi (554" WC) 0250= 0-25 psi (692" WC) 0500= 0-50 psi (1380" WC) **	30= Debris Avoidance Standoff	C= Cable	025 = 25 ft (7.62m) 050 = 50 ft (15.24m) 075 = 75ft (22.86m) 100 = 100 ft (30.48m) **	3= 0.5% **
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**= Consult factory for further options.